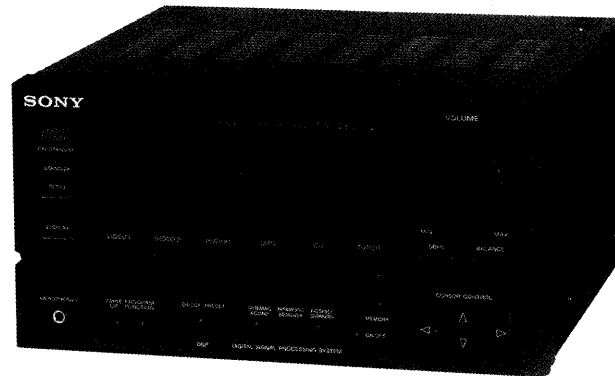


TA-H500

SERVICE MANUAL

*AEP Model
UK Model*



This set is the amplifier section in
MHC-5500.

SPECIFICATIONS

Continuous RMS power output	45 + 45 watts (6 ohms at 1 kHz, 5% THD)
Inputs	PHONO (phono jack): sensitivity 5 mV, impedance 47 kilohms
Outputs	HEADPHONES (stereo minijack): accepts headphones of 8 ohms or more. SPEAKER: accepts speakers of 6 to 16 ohms.
Dimensions	Approx. 225 × 120 × 280 mm (w/h/d)
Weight	5.5 kg

Design and specifications subject to change
without notice.

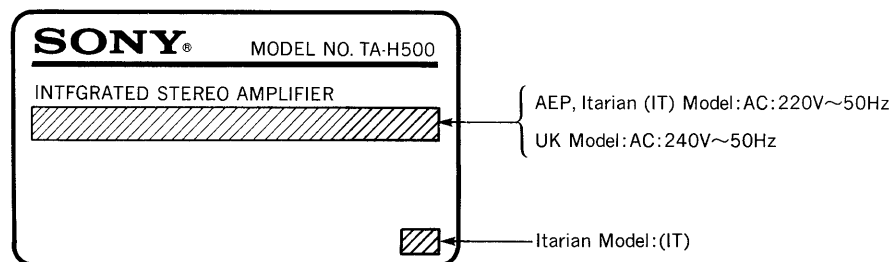
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

INTEGRATED STEREO AMPLIFIER
SONY®

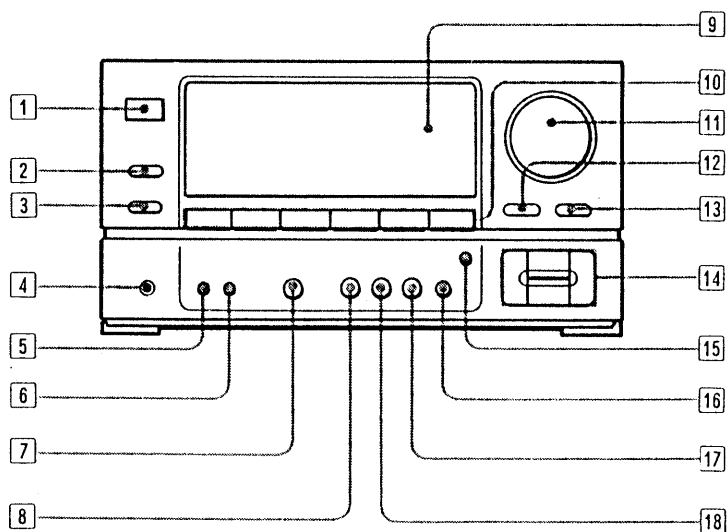
MODEL IDENTIFICATION

—Model Number Label—



SECTION 1 GENERAL

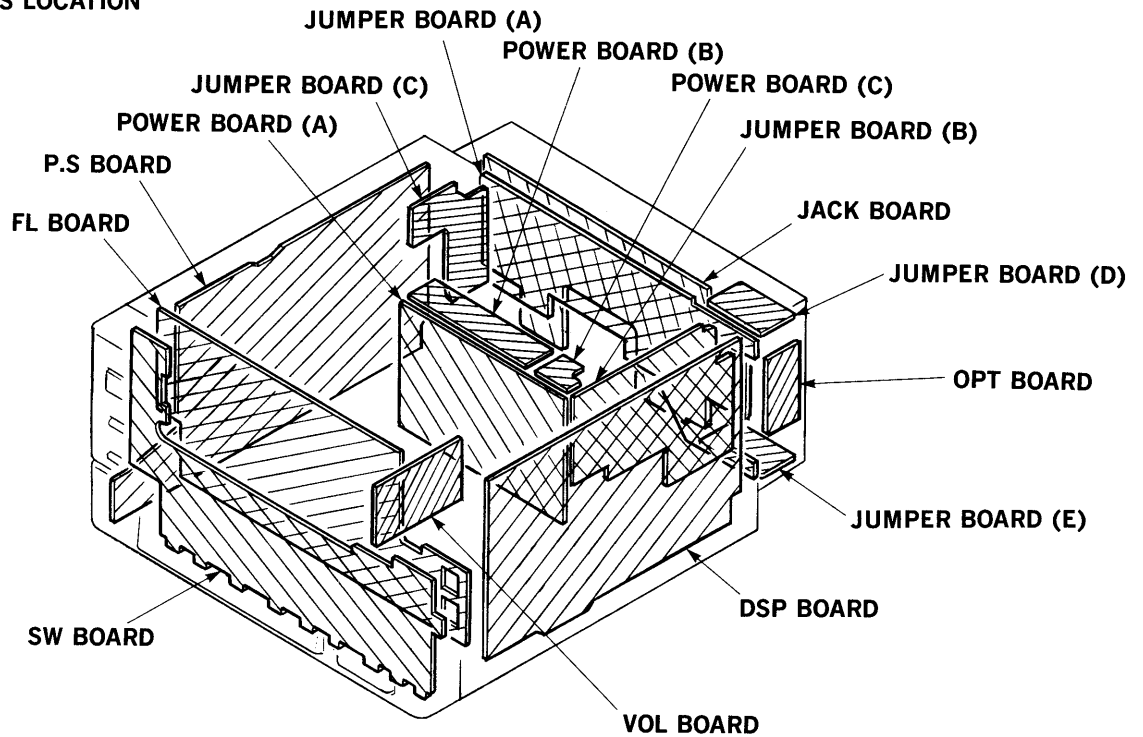
1-1. PARTS IDENTIFICATION



- 1** SYSTEM POWER switch and STANDBY indicator
It remains lit as long as the AC power cord is connected to a wall outlet.
- 2** DEMO button
- 3** DISPLAY button
- 4** HEADPHONES jack (stereo minijack)
- 5** WAKE UP button
- 6** PROGRAM FUNCTION button
- 7** DSP button and PRESET and DIRECT indicators
- 8** DYNAMIC SOUND button
- 9** Display window
- 10** Function selectors
- 11** VOLUME control
- 12** DBFB (Dynamic Bass Feedback) button
- 13** BALANCE button
- 14** CURSOR CONTROL buttons
- 15** MEMORY button
- 16** ON/OFF button
- 17** PRESENCE SURROUND button
- 18** PARAMETRIC EQUALIZER button

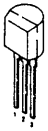
SECTION 2 DIAGRAMS

2-1. CIRCUIT BOARDS LOCATION



2-2. SEMICONDUCTOR LEAD LAYOUTS

LM317LZRA



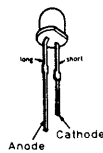
DTA144WS
DTC114ES
2SC2603-EF
2SC3622A-LK



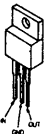
2SD1387
2SD1616A-K



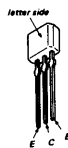
SEL2210S



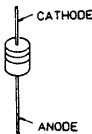
M5F7805
M5F7812
M5278D56



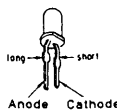
2SA1175-HFE



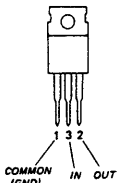
HZS24-3L
HZS30-2L
1SS120
11ES2



SEL2410E-D
SEL2910A-D



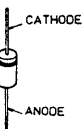
M5F7912
M5F7924



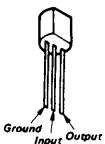
2SA988-F
2SC1841-PAFAEA
2SC3864
2SD1761-EF



HZS6B1L
UZL-20M
UZL-6M2
UZP-3.3BB
UZP-5.6B
10E2N

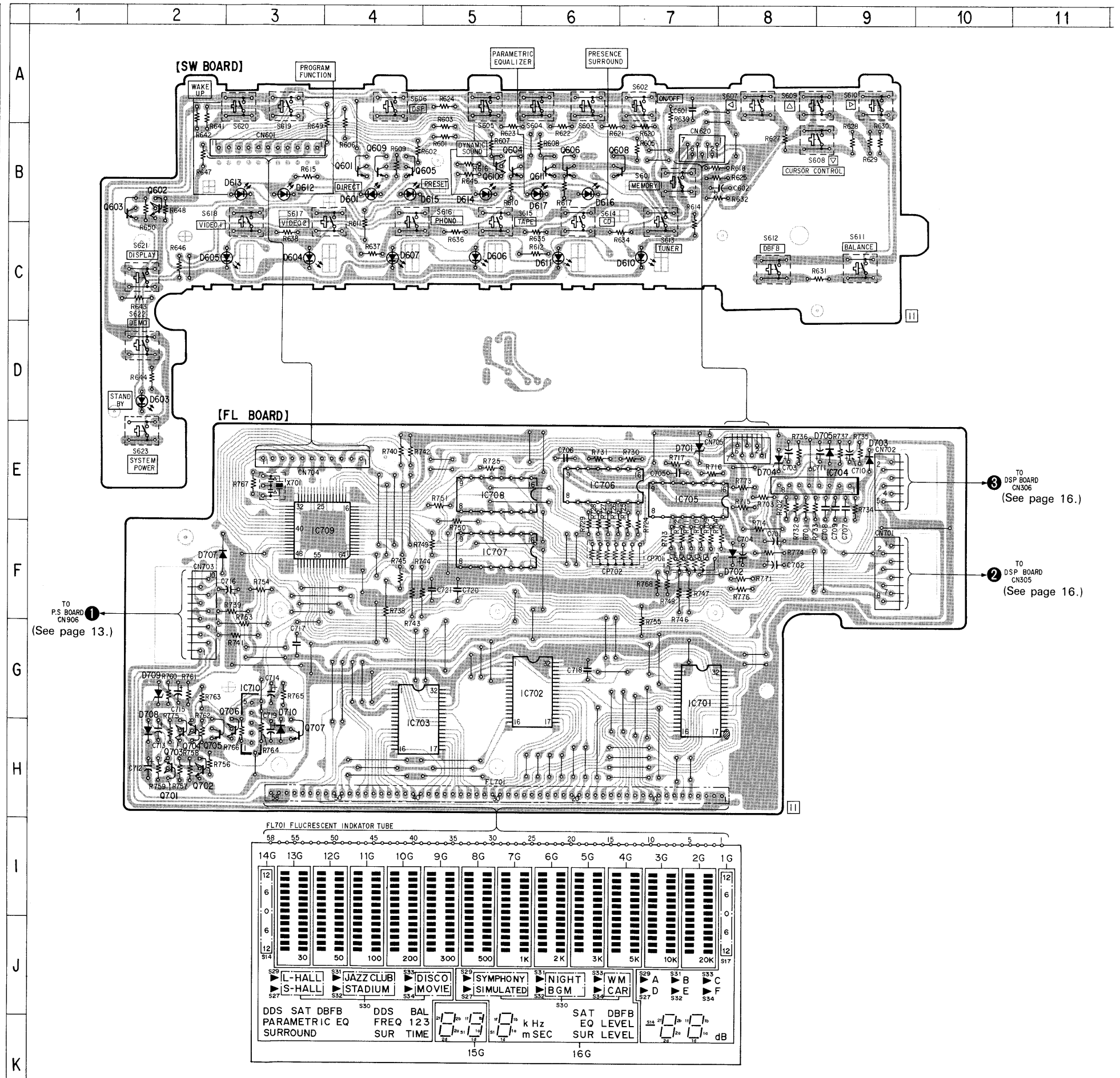


RC79L05A



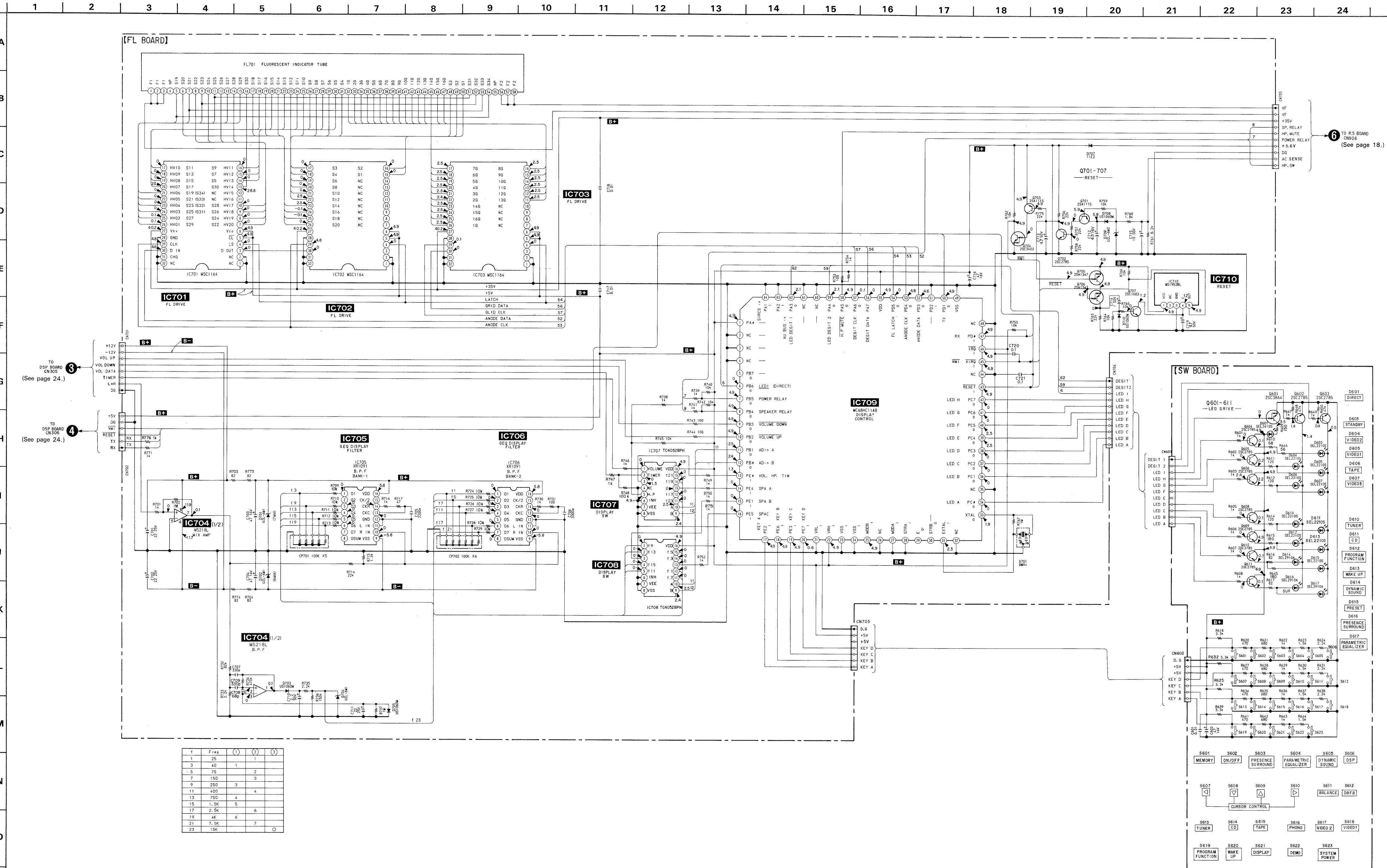
● Semiconductor Location 2-3. PRINTED WIRING BOARDS — Display Section —

Ref. No.	Location
D601	B-4
D603	D-2
D604	C-3
D605	C-2
D606	C-5
D607	C-4
D610	C-7
D611	C-6
D612	B-3
D613	B-3
D614	B-5
D615	B-4
D616	B-6
D617	B-6
D701	E-7
D702	F-8
D703	E-9
D704	E-8
D705	E-9
D707	F-2
D708	H-2
D709	G-2
D710	H-3
IC701	G-7
IC702	G-6
IC703	G-4
IC704	E-8
IC705	E-7
IC706	E-6
IC707	F-5
IC708	E-5
IC709	F-3
IC710	G-3
Q601	B-4
Q602	B-2
Q603	B-1
Q604	B-5
Q605	B-4
Q606	B-6
Q609	B-4
Q610	B-5
Q611	B-6
Q701	H-2
Q702	H-2
Q703	H-2
Q704	H-2
Q705	H-2
Q706	H-3
Q707	H-4



Note:

- : parts extracted from the component side.
- : parts extracted from the conductor side.



Note:

- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.

no mark:PHONO

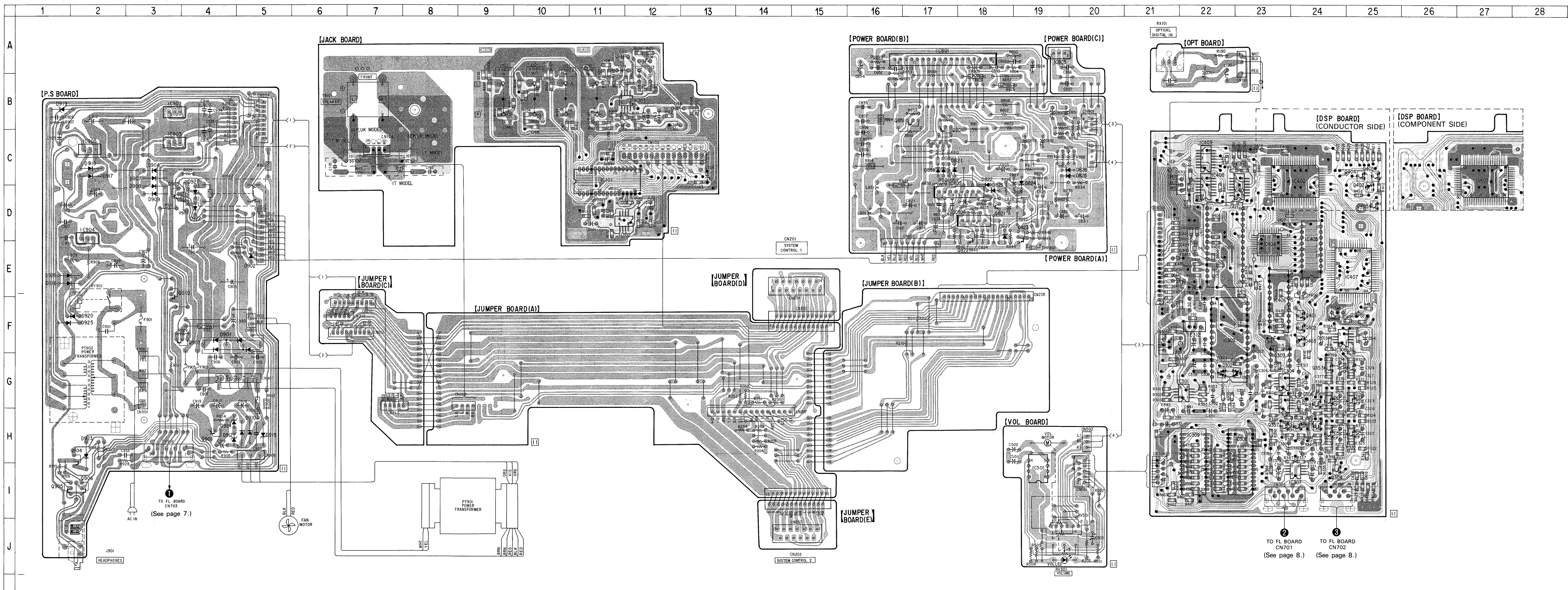
Voltages are taken with a VOM (Input Impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.

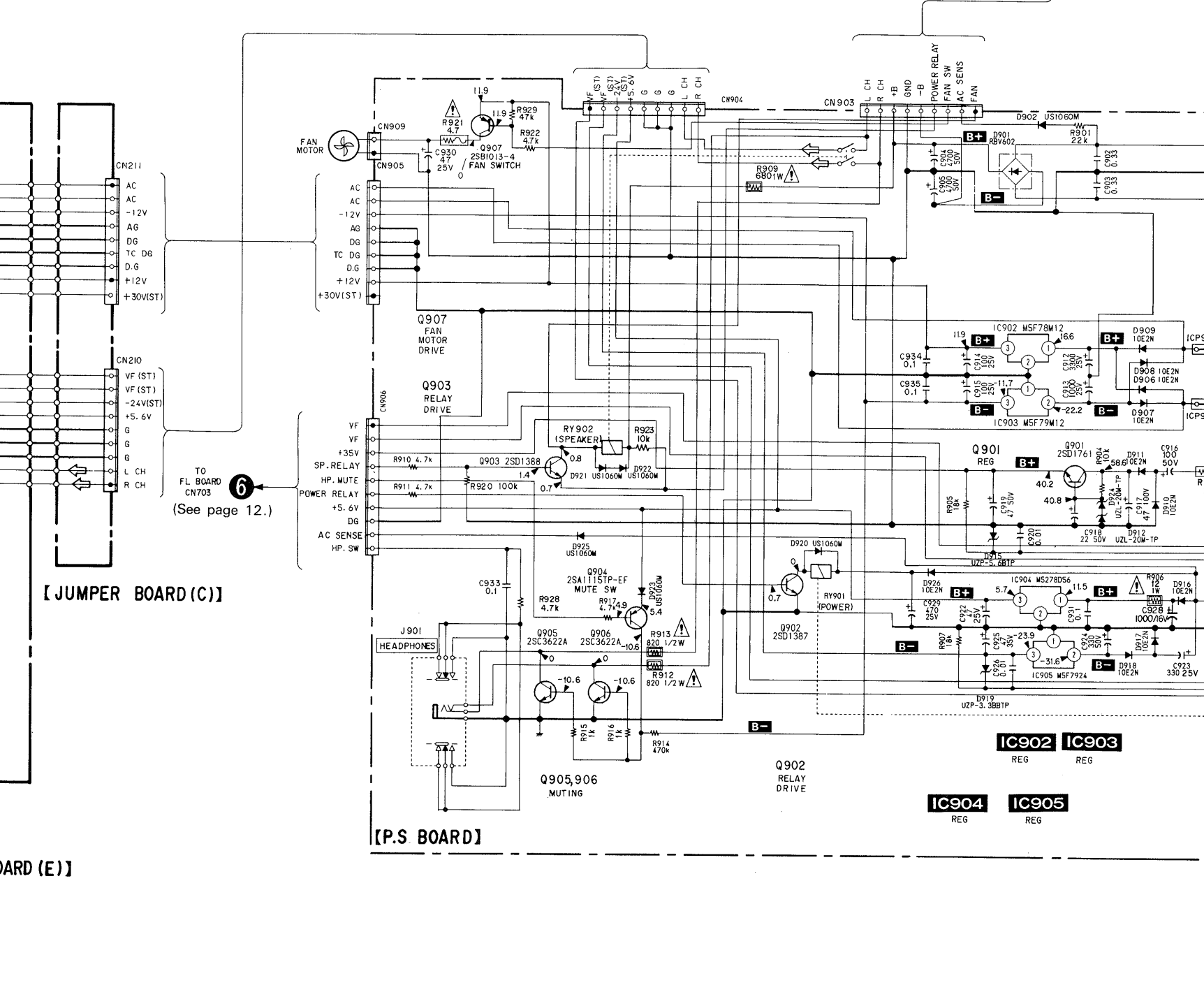
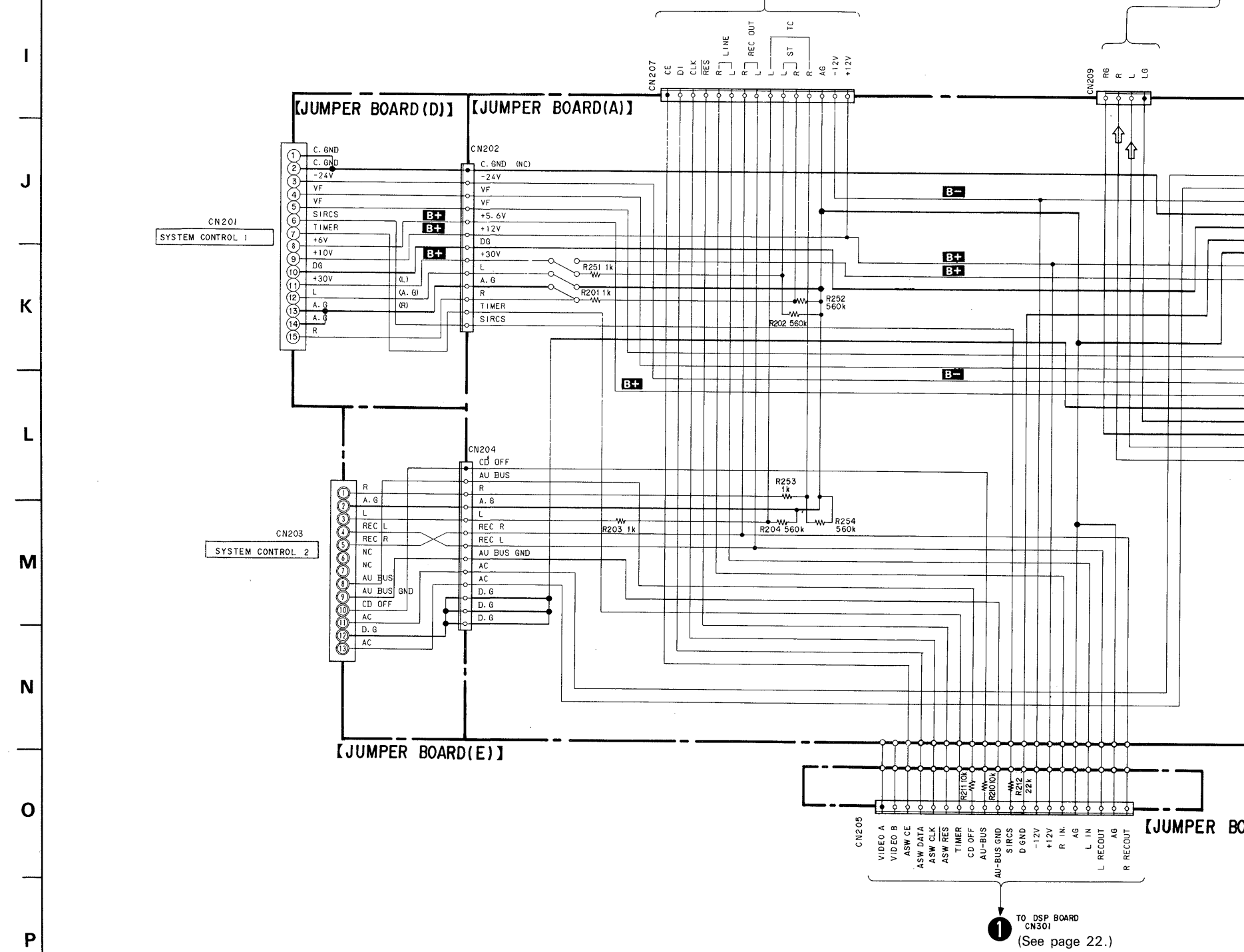
● Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D301	G-22	IC501	I-19
D302	G-22	IC801	A-17
D402	C-25	IC802	D-17
D403	F-24	IC803	A-19
D801	C-17	IC804	D-18
D821	C-17	IC902	B-3
D822	C-18	IC903	C-3
D823	D-18	IC904	D-2
D824	C-19	IC905	C-2
D825	C-19		
D826	C-19	Q301	H-25
D827	D-18	Q302	G-25
D851	C-17	Q303	G-24
D901	F-4	Q304	I-24
D902	E-5	Q305	H-24
D906	C-3	Q306	G-24
D907	C-3	Q307	H-24
D908	D-3	Q351	H-24
D909	D-3	Q352	G-24
D910	H-5	Q353	G-24
D911	H-5	Q357	H-23
D912	H-4	Q401	F-24
D915	H-5	Q402	F-24
D916	E-2	Q403	C-25
D917	C-2	Q404	C-25
D918	C-2	Q405	D-25
D919	B-1	Q801	B-17
D920	F-2	Q821	D-18
D921	D-4	Q822	D-18
D922	D-4	Q823	D-19
D923	H-2	Q851	B-17
D924	H-4	Q901	H-4
D925	F-2	Q902	E-3
D926	E-2	Q903	D-3
		Q904	H-2
IC101	C-11	Q905	I-1
IC102	D-11	Q906	I-2
IC103	B-12	Q907	F-4
IC301	G-22		
IC302	F-22		
IC303	G-23		
IC304	G-23		
IC305	G-23		
IC306	F-24		
IC307	I-24		
IC308	H-23		
IC309	H-22		
IC312	F-22		
IC401	E-22		
IC402	C-24		
IC403	C-27		
IC404	E-23		
IC405	D-24		
IC406	F-23		
IC407	E-25		
IC408	C-22		
IC409	C-22		
IC410	D-22		

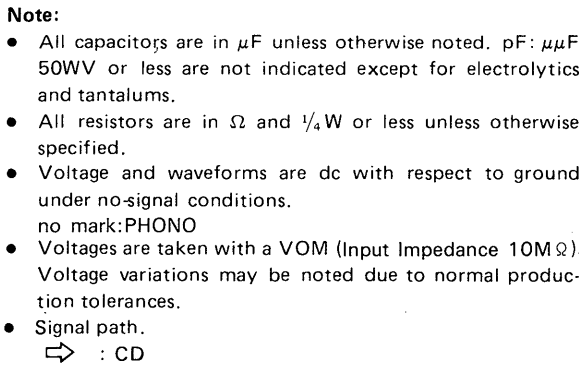
- Note:
- : parts extracted from the component side.
 - : Through hole.
 - ▨ : Pattern on the side which is seen.
 - ▩ : Pattern of the rear side.
 - IT : Italian Model

2-5. PRINTED WIRING BOARDS—Analog / Digital Section—





- Note:** The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.



SECTION 3 EXPLODED VIEW

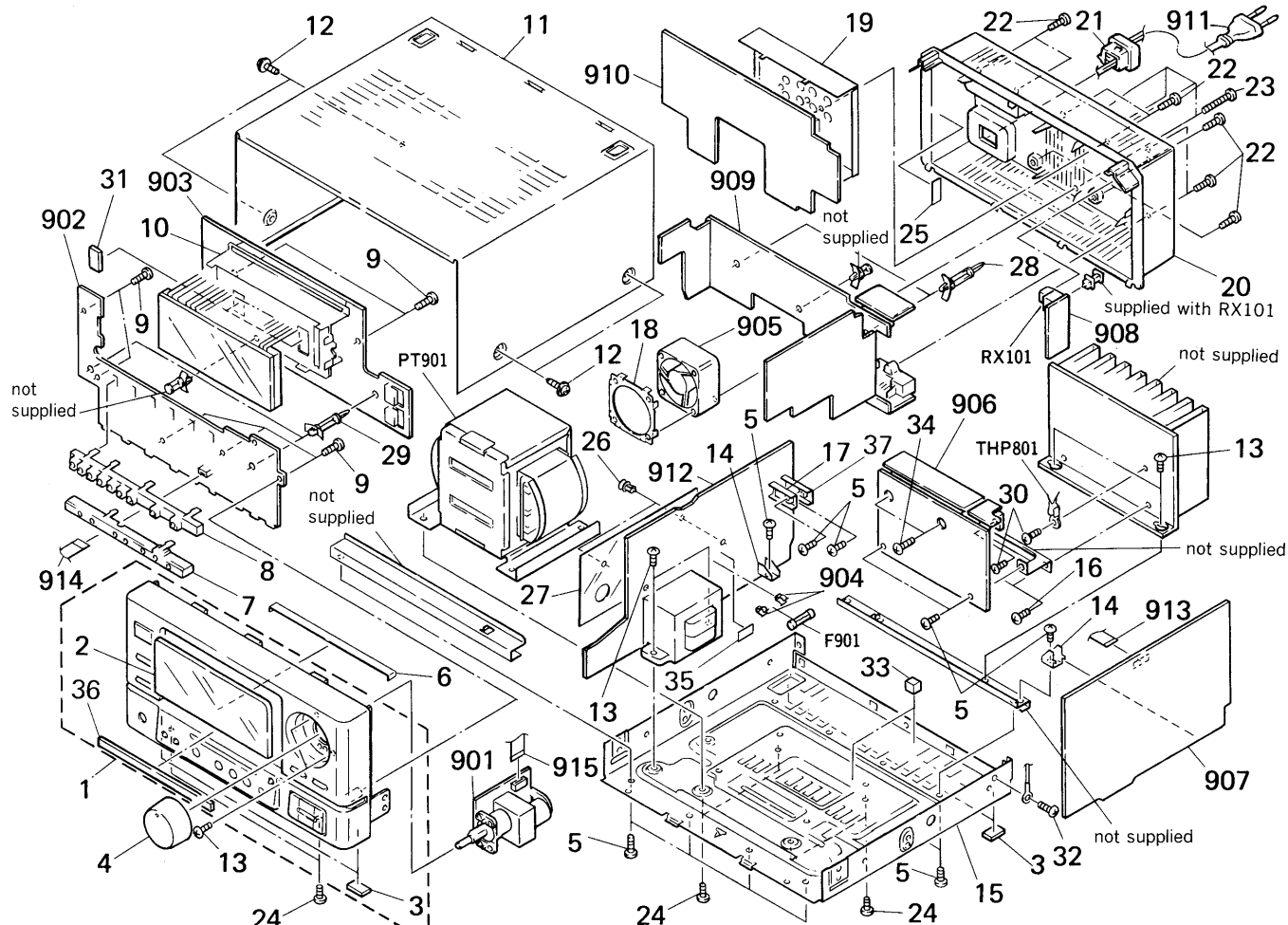
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- IT : Itarian Model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

- Color Indication of Appearance Parts
Example:
(RED) ... KNOB, BALANCE (WHITE)

↑ Cabinet's Color ↑ Parts Color



Ref.No	Part No.	Description	Remarks
1	X-4930-313-1	PANEL ASSY, FRONT	2,3,36
2	4-932-820-11	WINDOW	
3	4-930-336-01	FOOT (FELT)	
4	X-4936-803-1	KNOB (VOLUME) ASSY	
5	7-682-547-04	SCREW +BVTT 3X6 (S)	
6	*4-932-836-01	REINFORCEMENT (P)	
7	4-932-821-01	HOUSE (A)	
8	4-932-822-01	HOUSE (F)	
9	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
10	4-932-837-01	HOLDER (FL TUBE)	
11	4-932-841-01	CASE	
12	3-704-366-01	SCREW (CASE) (M3X8)	
13	7-682-548-04	SCREW +BVTT 3X8 (S)	
14	4-932-825-01	BRACKET (MT)	
15	*4-932-854-01	CHASSIS	
16	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
17	3-309-144-21	HEAT SINK	
18	*4-932-835-01	BRACKET (FAN)	
19	4-932-840-12	PLATE, SHIELD	
20	*4-932-842-13	PANEL, BACK	
21	*3-703-244-00	BUSHING (2104), CORD	
22	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
23	7-685-878-09	SCREW +BVTT 3X25 (S)	
24	3-721-187-01	SCREW (3X8)	
25	3-831-441-XX	CUSHION, SPEAKER	
26	4-812-134-11	RIVET NYLON, 3.5	
27	4-932-852-01	SHEET (INSULATING)	
28	*4-924-098-21	HOLDER, PC BOARD	
29	*4-924-098-31	HOLDER, PC BOARD	
30	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
31	4-921-941-31	CUSHION (FL)	
32	7-621-770-87	SCREW +PTT 2.6X5 (S)	

Ref.No	Part No.	Description	Remarks
33	*4-932-867-01	CUSHION	
34	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
35	*3-701-947-14	LABEL (T2A), FUSE	
36	4-932-826-11	PLATE (FUNCTION), INDICATION	
37	4-886-555-00	HEAT SINK	
901	*1-634-654-11	PC BOARD, VOL	
902	*A-4334-463-A	MOUNTED PCB, SW	
903	*A-4334-423-A	MOUNTED PCB, FL	
904	*1-533-213-31	HOLDER, FUSE	
905	1-541-562-31	MOTOR, DC FAN (SJ-40A12C)	
906	*A-4334-457-A	(AEP, UK) ... MOUNTED PCB, POWER	
906	*A-4334-458-A	(IT) ... MOUNTED PCB, POWER	
907	*A-4334-541-A	(AEP, UK) ... MOUNTED PCB, DSP	
907	*A-4334-544-A	(IT) ... MOUNTED PCB, DSP	
908	*1-634-656-11	PC BOARD, OPT	
909	*1-634-655-11	PC BOARD, JUMPER	
910	*A-4334-543-A	(AEP, UK) ... MOUNTED PCB, JACK	
910	*A-4334-545-A	(IT) ... MOUNTED PCB, JACK	
911	1-574-804-11	(UK) ... CORD, POWER	
911	1-575-923-11	(AEP, IT) ... CORD, POWER (WITH CORE)	
912	*A-4334-461-A	(AEP) ... MOUNTED PCB, P.S	
912	*A-4334-462-A	(IT) ... MOUNTED PCB, P. S	
912	*A-4334-842-A	(UK) ... MOUNTED PCB, P. S	
913	1-575-730-11	WIRE, FLAT TYPE (5 CORE)	
914	1-575-731-11	WIRE, FLAT TYPE (7 CORE)	
915	1-575-732-11	WIRE, FLAT TYPE (9 CORE)	
F901	1-532-388-51	FUSE 2A	
PT901	1-449-990-11	(UK) ... TRANSFORMER, POWER	
PT901	1-449-991-11	(AEP, IT) ... TRANSFORMER, POWER	
RX101	8-749-921-11	IC GP1F32R	
THP801	1-800-427-00	POSISTOR	

SECTION 4 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:MF: μ F, PF: μ MF.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORSIn each case, U: μ , for example:UA....: μ A...., UPA....: μ PA....,
UPC....: μ PC, UPD....: μ PD....

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

- IT : Italian Model

Ref.No	Part No.	Description				
901	*1-634-654-11	PC BOARD, VOL				
902	*A-4334-463-A	MOUNTED PCB, SW				
903	*A-4334-423-A	MOUNTED PCB, FL				
904	*1-533-213-31	HOLDER, FUSE				
905	1-541-562-31	MOTOR, DC FAN (SJ-40A12C)				
906	*A-4334-457-A	(AEP, UK)....MOUNTED PCB, POWER				
906	*A-4334-458-A	(IT)....MOUNTED PCB, POWER				
907	*A-4334-541-A	(AEP, UK)....MOUNTED PCB, DSP				
907	*A-4334-544-A	(IT)....MOUNTED PCB, DSP				
908	*1-634-656-11	PC BOARD, OPT				
909	*1-634-655-11	PC BOARD, JUMPER				
910	*A-4334-543-A	(AEP, UK)....MOUNTED PCB, JACK				
910	*A-4334-545-A	(IT)....MOUNTED PCB, JACK				
911	1-574-804-11	(UK)....CORD, POWER				
911	1-575-923-11	(AEP,IT)....CORD, POWER (WITH CORE)				
912	*A-4334-461-A	(AEP)....MOUNTED PCB, P.S				
912	*A-4334-462-A	(IT)....MOUNTED PCB, P. S				
912	*A-4334-842-A	(UK)....MOUNTED PCB, P. S				
913	1-575-730-11	WIRE, FLAT TYPE (5 CORE)				
914	1-575-731-11	WIRE, FLAT TYPE (7 CORE)				
915	1-575-732-11	WIRE, FLAT TYPE (9 CORE)				
CAPACITOR						
C101	1-123-875-11	ELECT	10MF	20%	50V	
C102	1-123-875-11	ELECT	10MF	20%	50V	
C103	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C104	1-124-477-11	ELECT	47MF	20%	16V	
C105	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C107	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C108	1-163-125-00	CERAMIC CHIP	220PF	10%	50V	
C109	1-124-902-00	ELECT	0.47MF	20%	50V	
C110	1-163-125-00	CERAMIC CHIP	220PF	10%	50V	
C111	1-124-927-11	ELECT	4.7MF	20%	50V	
C112	1-130-473-00	MYLAR	0.0015MF	5%	50V	
C113	1-130-480-00	MYLAR	0.0056MF	5%	50V	
C114	1-124-925-11	ELECT	2.2MF	20%	50V	
C115	1-136-165-00	(IT)....FILM	0.1MF	5%	50V	
C116	1-163-003-11	CERAMIC	330PF	10%	50V	
C117	1-163-003-11	CERAMIC	330PF	10%	50V	
C118	1-163-003-11	CERAMIC	330PF	10%	50V	
C151	1-123-875-11	ELECT	10MF	20%	50V	
C152	1-123-875-11	ELECT	10MF	20%	50V	
C153	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C154	1-124-477-11	ELECT	47MF	20%	16V	
C157	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C158	1-163-125-00	CERAMIC CHIP	220PF	10%	50V	
C159	1-124-902-00	ELECT	0.47MF	20%	50V	
C160	1-163-125-00	CERAMIC CHIP	220PF	10%	50V	
C161	1-124-927-11	ELECT	4.7MF	20%	50V	
C162	1-130-473-00	MYLAR	0.0015MF	5%	50V	
C163	1-130-480-00	MYLAR	0.0056MF	5%	50V	
C164	1-124-925-11	ELECT	2.2MF	20%	50V	
C165	1-136-165-00	(IT)....FILM	0.1MF	5%	50V	
C166	1-163-003-11	CERAMIC	330PF	10%	50V	

Ref.No	Part No.	Description				
C167	1-163-003-11	CERAMIC	330PF	10%	50V	
C168	1-163-003-11	CERAMIC	330PF	10%	50V	
C190	1-161-379-00	CERAMIC	0.01MF	30%	16V	
C191	1-124-477-11	ELECT	47MF	20%	16V	
C302	1-136-153-00	FILM	0.01MF	5%	50V	
C303	1-136-165-00	FILM	0.1MF	5%	50V	
C304	1-124-477-11	ELECT	47MF	20%	25V	
C305	1-136-165-00	FILM	0.1MF	5%	50V	
C307	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C308	1-136-165-00	FILM	0.1MF	5%	50V	
C309	1-124-477-11	ELECT	47MF	20%	25V	
C311	1-130-473-00	MYLAR	0.0015MF	5%	50V	
C312	1-130-479-00	MYLAR	0.0047MF	5%	50V	
C313	1-130-472-00	MYLAR	0.0012MF	5%	50V	
C314	1-124-477-11	ELECT	47MF	20%	25V	
C315	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C316	1-124-477-11	ELECT	47MF	20%	25V	
C321	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C322	1-123-875-11	ELECT	10MF	20%	50V	
C323	1-123-875-11	ELECT	10MF	20%	50V	
C324	1-123-875-11	ELECT	10MF	20%	50V	
C325	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C326	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C327	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C328	1-136-165-00	FILM	0.1MF	5%	50V	
C329	1-136-165-00	FILM	0.1MF	5%	50V	
C330	1-124-791-11	ELECT	1MF	20%	50V	
C331	1-124-477-11	ELECT	47MF	20%	25V	
C332	1-124-477-11	ELECT	47MF	20%	25V	
C341	1-124-477-11	ELECT	47MF	20%	25V	
C352	1-136-153-00	FILM	0.01MF	5%	50V	
C357	1-124-477-11	ELECT	47MF	20%	25V	
C358	1-136-165-00	FILM	0.1MF	5%	50V	
C361	1-130-473-00	MYLAR	0.0015MF	5%	50V	
C362	1-130-479-00	MYLAR	0.0047MF	5%	50V	
C363	1-130-472-00	MYLAR	0.0012MF	5%	50V	
C364	1-124-477-11	ELECT	47MF	20%	25V	
C371	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C372	1-123-875-11	ELECT	10MF	20%	50V	
C373	1-123-875-11	ELECT	10MF	20%	50V	
C374	1-123-875-11	ELECT	10MF	20%	50V	
C375	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C376	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C377	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C378	1-136-165-00	FILM	0.1MF	5%	50V	
C379	1-136-165-00	FILM	0.1MF	5%	50V	
C380	1-124-791-11	ELECT	1MF		50V	
C381	1-124-477-11	ELECT	47MF	20%	25V	
C382	1-124-477-11	ELECT	47MF	20%	25V	
C391	1-124-477-11	ELECT	47MF	20%	25V	
C392	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C401	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C402	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C403	1-124-477-11	ELECT	47MF	20%	25V	
C404	1-162-637-11	CERAMIC CHIP	0.47MF		16V	

Ref.No	Part No.	Description							
C405	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V				
C406	1-163-101-00	CERAMIC CHIP	22PF	5%	50V				
C407	1-163-101-00	CERAMIC CHIP	22PF	5%	50V				
C408	1-124-477-11	ELECT	47MF	20%	25V				
C409	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C410	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C411	1-163-102-00	CERAMIC CHIP	24PF	5%	50V				
C412	1-163-102-00	CERAMIC CHIP	24PF	5%	50V				
C413	1-163-117-00	CERAMIC CHIP	100PF	5%	50V				
C414	1-163-117-00	CERAMIC CHIP	100PF	5%	50V				
C417	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C418	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C419	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C420	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C421	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C422	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C425	1-163-093-00	CERAMIC CHIP	10PF	5%	50V				
C427	1-124-477-11	ELECT	47MF	20%	25V				
C428	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C429	1-163-093-00	CERAMIC CHIP	10PF	5%	50V				
C430	1-136-165-00	FILM	0.1MF	5%	50V				
C431	1-136-165-00	FILM	0.1MF	5%	50V				
C432	1-163-131-00	CERAMIC CHIP	390PF	5%	50V				
C433	1-163-131-00	CERAMIC CHIP	390PF	5%	50V				
C434	1-163-131-00	CERAMIC CHIP	390PF	5%	50V				
C435	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C436	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C437	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C438	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C439	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C440	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C441	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C442	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C443	1-163-131-00	CERAMIC CHIP	390PF	5%	50V				
C445	1-163-131-00	CERAMIC CHIP	390PF	5%	50V				
C446	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V				
C447	1-163-131-00	CERAMIC CHIP	390PF	5%	50V				
C501	1-123-875-11	ELECT	10MF	20%	50V				
C502	1-123-875-11	ELECT	10MF	20%	50V				
C503	1-124-443-00	ELECT	100MF	20%	10V				
C601	1-161-379-00	CERAMIC	0.01MF	30%	16V				
C602	1-124-477-11	ELECT	47MF	20%	16V				
C701	1-126-233-11	ELECT	22MF	20%	25V				
C702	1-126-233-11	ELECT	22MF	20%	25V				
C703	1-124-477-11	ELECT	47MF	20%	16V				
C704	1-124-477-11	ELECT	47MF	20%	16V				
C705	1-130-475-00	MYLAR	0.0022MF	5%	50V				
C706	1-130-477-00	MYLAR	0.0033MF	5%	50V				
C707	1-162-288-31	CERAMIC	330PF	10%	50V				
C708	1-162-219-31	CERAMIC	68PF	5%	50V				
C709	1-162-288-31	CERAMIC	330PF	10%	50V				
C710	1-124-925-11	ELECT	2.2MF	20%	50V				
C711	1-126-233-11	ELECT	22MF	20%	25V				
C712	1-124-477-11	ELECT	47MF	20%	16V				
C713	1-124-927-11	ELECT	4.7MF	20%	50V				
C714	1-124-791-11	ELECT	1MF	20%	50V				
C715	1-123-875-11	ELECT	10MF	20%	50V				
C716	1-124-477-11	ELECT	47MF	20%	16V				
C717	1-136-153-00	FILM	0.01MF	5%	50V				
C718	1-136-153-00	FILM	0.01MF	5%	50V				
C719	1-124-927-11	ELECT	4.7MF	20%	50V				
C720	1-164-159-11	CERAMIC	0.1MF		50V				
C721	1-164-159-11	CERAMIC	0.1MF		50V				
C801	1-123-875-11	ELECT	10MF	20%	50V				
C802	1-162-288-31	CERAMIC	330PF	10%	50V				
C803	1-162-288-31	CERAMIC	330PF	10%	50V				
C804	1-124-122-11	ELECT	100MF	20%	35V				
C805	1-124-910-11	ELECT	47MF	20%	50V				
C806	1-136-165-00	FILM	0.1MF	5%	50V				
C807	1-136-165-00	FILM	0.1MF	5%	50V				
C821	1-124-122-11	ELECT	100MF	20%	50V				
C822	1-123-875-11	ELECT	10MF	20%	50V				
C823	1-123-875-11	ELECT	10MF	20%	50V				
C824	1-164-159-11	CERAMIC	0.1MF		50V				
C825	1-126-176-11	ELECT	220MF	20%	10V				
C826	1-126-176-11	ELECT	220MF	20%	10V				
C827	1-123-875-11	ELECT	10MF	20%	50V				
C828	1-161-379-00	CERAMIC	0.01MF	30%	16V				
C829	1-161-494-00	CERAMIC	0.022MF		25V				
C830	1-124-477-11	ELECT	47MF	20%	16V				
C831	1-124-463-00	ELECT	0.1MF	20%	50V				
C832	1-123-875-11	ELECT	10MF	20%	50V				
C833	1-124-927-11	ELECT	4.7MF	20%	50V				
C834	1-123-875-11	ELECT	10MF	20%	50V				
C835	1-161-379-00	CERAMIC	0.01MF	30%	16V				
C836	1-136-165-00	FILM	0.1MF	5%	50V				
C837	1-136-165-00	FILM	0.1MF	5%	50V				
C851	1-123-875-11	ELECT	10MF	20%	50V				
C852	1-162-288-31	CERAMIC	330PF	10%	50V				
C853	1-162-288-31	CERAMIC	330PF	10%	50V				
C854	1-124-122-11	ELECT	100MF	20%	35V				
C855	1-124-910-11	ELECT	47MF	20%	50V				
C856	1-136-165-00	FILM	0.1MF	5%	50V				
C857	1-136-165-00	FILM	0.1MF	5%	50V				
C901	1-161-742-00	CERAMIC	0.0022MF	20%	400V				
C902	1-136-171-00	FILM	0.33MF	5%	50V				
C903	1-136-171-00	FILM	0.33MF	5%	50V				
C904	1-126-976-11	ELECT	4700MF	20%	50V				
C905	1-126-976-11	ELECT	4700MF	20%	50V				
C906	1-136-165-00	FILM	0.1MF	5%	50V				
C907	1-136-165-00	FILM	0.1MF	5%	50V				
C912	1-124-636-00	ELECT	330MF	20%	25V				
C913	1-124-557-11	ELECT	1000MF	20%	25V				
C914	1-124-478-11	ELECT	100MF	20%	25V				
C915	1-124-478-11	ELECT	100MF	20%	25V				
C916	1-124-122-11	ELECT	100MF	20%	50V				
C917	1-124-931-11	ELECT	47MF	20%	100V				
C918	1-126-233-11	ELECT	22MF	20%	50V				
C919	1-124-910-11	ELECT	47MF	20%	50V				
C920	1-161-379-00	CERAMIC	0.01MF	30%	16V				
C922	1-124-477-11	ELECT	47MF	20%	25V				
C923	1-124-479-11	ELECT	330MF	20%	25V				
C924	1-124-912-11	ELECT	330MF	20%	50V				
C925	1-124-910-11	ELECT	47MF	20%	35V				
C926	1-161-379-00	CERAMIC	0.01MF	30%	16V				
C927	1-136-165-00	FILM	0.1MF	5%	50V				
C928	1-126-939-11	ELECT	10000MF	20%	16V				
C929	1-124-480-11	ELECT	470MF	20%	25V				
C930	1-124-477-11	ELECT	47MF	20%	25V				
C931	1-136-165-00	FILM	0.1MF	5%	50V				
C933	1-164-159-11	CERAMIC	0.1MF		50V				
C934	1-164-159-11	CERAMIC	0.1MF		50V				
C935	1-164-159-11	CERAMIC	0.1MF		50V				
CN102	* 1-568-648-11	SOCKET, CONNECTOR 15P							
CN104	1-562-087-00	SOCKET, CONNECTOR 4P							
CN201	* 1-566-859-11	SOCKET, CONNECTOR 15P (SYSTEM CONTROL 1)							
CN202	1-506-979-31	CONNECTOR, BOARD TO BOARD 13P							
CN203	* 1-565-291-11	SOCKET, CONNECTOR 13P (SYSTEM CONTROL 2)							
CN204	1-506-979-31	CONNECTOR, BOARD TO BOARD 13P							
CN205	1-563-314-11	CONNECTOR, BOARD TO BOARD 20P							

Ref.No	Part No.	Description
CN207	1-569-647-11	PIN, CONNECTOR 15P
CN209	*1-506-509-11	PIN, CONNECTOR 4P
CN210	*1-563-529-11	CONNECTOR, BOARD TO BOARD 9P
CN211	*1-563-529-11	CONNECTOR, BOARD TO BOARD 9P
CN301	1-566-154-11	CONNECTOR, BOARD TO BOARD 20P
CN302	*1-564-518-11	PLUG, CONNECTOR 3P
CN303	*1-568-824-11	SOCKET, CONNECTOR 5P
CN304	*1-568-828-11	SOCKET, CONNECTOR 9P
CN305	1-568-319-11	SOCKET, CONNECTOR 8P
CN306	1-568-317-11	SOCKET, CONNECTOR 6P
CN501	*1-568-852-11	SOCKET, CONNECTOR 9P
CN502	*1-564-518-11	PLUG, CONNECTOR 3P
CN601	*1-563-381-11	SOCKET, CONNECTOR 11P
CN602	*1-568-826-11	SOCKET, CONNECTOR 7P
CN701	*1-568-320-11	PLUG, CONNECTOR 8P
CN702	*1-568-318-11	PLUG, CONNECTOR 6P
CN703	*1-568-322-11	PLUG, CONNECTOR 10P
CN704	1-569-648-11	PIN, CONNECTOR (PC BOARD) 11P
CN705	*1-568-826-11	SOCKET, CONNECTOR 7P
CN801	*1-568-848-11	SOCKET, CONNECTOR 5P
CN901	*1-564-321-00	PIN, CONNECTOR 2P
CN902	*1-564-321-00	PIN, CONNECTOR 2P
CN903	*1-564-512-11	PLUG, CONNECTOR 9P
CN904	1-566-125-11	CONNECTOR, BOARD TO BOARD 9P
CN905	1-566-125-11	CONNECTOR, BOARD TO BOARD 9P
CN906	1-568-321-11	SOCKET, CONNECTOR 10P
CN907	*1-564-242-00	PIN, CONNECTOR 5P
CN908	*1-564-104-00	PIN, CONNECTOR 3P
CN909	*1-506-944-11	PIN, CONNECTOR 2P
CP701	1-233-020-11	COMPOSITION CIRCUIT BLOCK
CP702	1-233-214-11	COMPOSITION CIRCUIT BLOCK
D301	8-719-400-18	DIODE MA152WK
D302	8-719-104-34	DIODE 1S2836
D402	8-719-104-34	DIODE 1S2836
D403	8-719-104-34	DIODE 1S2836
D601	8-719-301-44	DIODE SEL2410E-D
D603	8-719-301-39	DIODE SEL2210S
D604	8-719-301-39	DIODE SEL2210S
D605	8-719-301-39	DIODE SEL2210S
D606	8-719-301-39	DIODE SEL2210S
D607	8-719-301-39	DIODE SEL2210S
D610	8-719-301-39	DIODE SEL2210S
D611	8-719-301-39	DIODE SEL2210S
D612	8-719-301-39	DIODE SEL2210S
D613	8-719-301-39	DIODE SEL2210S
D614	8-719-301-61	DIODE SEL2910A-D
D615	8-719-301-39	DIODE SEL2210S
D616	8-719-301-61	DIODE SEL2910A-D
D617	8-719-301-61	DIODE SEL2910A-D
D701	8-719-933-36	DIODE HZS6B-1L
D702	8-719-933-36	DIODE HZS6B-1L
D703	8-719-912-20	DIODE 1SS120
D704	8-719-933-36	DIODE HZS6B-1L
D705	8-719-912-20	DIODE 1SS120
D707	8-719-200-82	DIODE 11ES2
D708	8-719-912-20	DIODE 1SS120
D709	8-719-000-60	DIODE UZL-6M2
D710	8-719-912-20	DIODE 1SS120
D801	8-719-912-20	DIODE 1SS120
D821	8-719-912-20	DIODE 1SS120
D822	8-719-912-20	DIODE 1SS120
D823	8-719-912-20	DIODE 1SS120
D824	8-719-934-15	DIODE HZS24-3L
D825	8-719-912-20	DIODE 1SS120
D826	8-719-912-20	DIODE 1SS120

Ref.No	Part No.	Description
D827	8-719-002-18	DIODE UZL-20M
D851	8-719-912-20	DIODE 1SS120
D901	8-719-302-38	DIODE RBV-602-01
D902	8-719-912-20	DIODE 1SS120
D906	8-719-200-77	DIODE 10E2N
D907	8-719-200-77	DIODE 10E2N
D908	8-719-200-77	DIODE 10E2N
D909	8-719-200-77	DIODE 10E2N
D910	8-719-200-77	DIODE 10E2N
D911	8-719-200-77	DIODE 10E2N
D912	8-719-002-18	DIODE UZL-20M
D915	8-719-014-66	DIODE UZP-5.6B
D916	8-719-200-77	DIODE 10E2N
D917	8-719-200-77	DIODE 10E2N
D918	8-719-200-77	DIODE 10E2N
D919	8-719-014-23	DIODE UZP-3.3BB
D920	8-719-912-20	DIODE 1SS120
D921	8-719-912-20	DIODE 1SS120
D922	8-719-912-20	DIODE 1SS120
D923	8-719-912-20	DIODE 1SS120
D924	8-719-002-18	DIODE UZL-20M
D925	8-719-912-20	DIODE 1SS120
D926	8-719-200-77	DIODE 10E2N
F901	△.1-532-388-51	FUSE 2A
FB301	1-410-396-41	FERRITE BEAD INDUCTOR
FB302	1-410-396-41	FERRITE BEAD INDUCTOR
FB303	1-410-396-41	FERRITE BEAD INDUCTOR
FL701	1-519-587-11	INDICATOR TUBE, FLUORESCENT
IC101	8-759-805-13	IC LC7821
IC102	8-759-603-13	IC M5218FP
IC103	8-759-603-13	IC M5218FP
IC301	8-759-603-13	IC M5218FP
IC302	8-759-999-09	IC CS5326-KP
IC303	8-759-990-13	IC TDA1543A
IC304	8-759-603-13	IC M5218FP
IC305	8-759-603-13	IC M5218FP
IC306	8-759-603-13	IC M5218FP
IC307	8-759-603-13	IC M5218FP
IC308	8-759-805-14	IC LC7822
IC309	8-759-805-14	IC LC7822
IC312	8-759-982-44	IC RC79L05A
IC401	8-759-973-98	IC YM3623B
IC402	8-752-332-80	IC CXD1160AQ
IC403	8-752-332-80	IC CXD1160AQ
IC404	8-759-979-94	IC CXD1355Q
IC405	8-759-973-04	IC MSM41464-10RS
IC406	8-759-634-73	IC M50760-141P
IC407	8-759-322-46	IC HD63B01Y0RM46F
IC408	8-759-927-46	IC SN74HC00NS
IC409	8-759-927-46	IC SN74HC00NS
IC410	8-759-927-29	IC SN74HCU04NS
IC501	8-759-820-62	IC LB1639
IC701	8-759-999-53	IC MSC1164GS-K
IC702	8-759-999-53	IC MSC1164GS-K
IC703	8-759-999-53	IC MSC1164GS-K
IC704	8-759-634-50	IC M5218AL
IC705	8-759-991-11	IC XR1091
IC706	8-759-991-11	IC XR1091
IC707	8-759-208-08	TC4052BPHB
IC708	8-759-208-08	TC4052BPHB
IC709	8-759-037-23	IC MC68HC11E9FU-SC400193FU
IC710	8-759-605-16	IC M51953BL
IC801	8-749-900-24	IC STK4162MK2

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description
IC802	8-759-111-68	IC UPC1237HA
IC803	8-759-604-29	IC M5F7805L
IC804	8-759-635-00	IC M5239L
IC902	8-759-604-33	IC M5F7812L
IC903	8-759-604-51	IC M5F7912L
IC904	8-759-634-63	IC M5278D56
IC905	8-759-604-93	IC M5F7924L
ICP902	△1-532-846-21	LINK, IC
ICP903	△1-532-846-21	LINK, IC
J101	1-565-303-11	JACK, PIN 6P (PHONO/VIDEO 2 IN, VIDEO 1 OUT)
J102	1-507-912-21	JACK, PIN 2P (VIDEO 1 IN)
J901	1-562-837-21	JACK (HEADPHONES)
L101	1-410-396-41	(IT)....FERRITE BEAD INDUCTOR
L151	1-410-396-41	(IT)....FERRITE BEAD INDUCTOR
L190	1-410-470-11	INDUCTOR 10UH
L401	1-410-470-11	INDUCTOR 10UH
L402	1-410-470-11	INDUCTOR 10UH
L801	* 1-420-872-00	COIL, AIR CORE
L851	* 1-420-872-00	COIL, AIR CORE
PT901	△1-499-991-11	(AEP, IT)....TRANSFORMER, POWER
PT901	△1-499-990-11	(UK)....TRANSFORMER, POWER
PT902	△1-449-950-11	(AEP, IT)....TRANSFORMER, POWER
PT902	△1-449-992-11	(UK)....TRANSFORMER, POWER
Q301	8-729-107-46	TRANSISTOR 2SC3624A-L15
Q302	8-729-107-46	TRANSISTOR 2SC3624A-L15
Q303	8-729-107-46	TRANSISTOR 2SC3624A-L15
Q304	8-729-113-69	TRANSISTOR FN1F4M-M32
Q305	8-729-113-69	TRANSISTOR FN1F4M-M32
Q306	8-729-113-69	TRANSISTOR FN1F4M-M32
Q307	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q351	8-729-107-46	TRANSISTOR 2SC3624A-L15
Q352	8-729-107-46	TRANSISTOR 2SC3624A-L15
Q353	8-729-107-46	TRANSISTOR 2SC3624A-L15
Q357	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q401	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q402	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q403	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q404	8-729-113-10	TRANSISTOR FA1F4M-L32
Q405	8-729-113-10	TRANSISTOR FA1F4M-L32
Q601	8-729-806-22	TRANSISTOR 2SC3864
Q602	8-729-620-05	TRANSISTOR 2SC2603-EF
Q603	8-729-620-05	TRANSISTOR 2SC2603-EF
Q604	8-729-620-05	TRANSISTOR 2SC2603-EF
Q605	8-729-620-05	TRANSISTOR 2SC2603-EF
Q606	8-729-620-05	TRANSISTOR 2SC2603-EF
Q608	8-729-620-05	TRANSISTOR 2SC2603-EF
Q609	8-729-620-05	TRANSISTOR 2SC2603-EF
Q610	8-729-620-05	TRANSISTOR 2SC2603-EF
Q611	8-729-620-05	TRANSISTOR 2SC2603-EF
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q702	8-729-620-05	TRANSISTOR 2SC2603-EF
Q703	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q704	8-729-900-80	TRANSISTOR DTC114ES
Q705	8-729-900-69	TRANSISTOR DTA144WS
Q706	8-729-900-69	TRANSISTOR DTA144WS
Q707	8-729-620-05	TRANSISTOR 2SC2603-EF
Q801	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
Q821	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q822	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
Q823	8-729-108-14	TRANSISTOR 2SA988-F
Q851	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
Q901	8-729-920-98	TRANSISTOR 2SD1761-EF
Q902	8-729-801-94	TRANSISTOR 2SD1387-4

Ref.No	Part No.	Description
Q903	8-729-111-29	TRANSISTOR 2SD1616A-K
Q904	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q905	8-729-141-26	TRANSISTOR 2SC3622A-LK
Q906	8-729-141-26	TRANSISTOR 2SC3622A-LK
Q907	8-729-801-84	TRANSISTOR 2SB1013-4
RESISTOR		
R101	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R102	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R103	1-216-033-00	METAL GLAZE 220 5% 1/10W
R104	1-216-041-00	METAL GLAZE 470 5% 1/10W
R106	1-216-115-00	METAL GLAZE 560K 5% 1/10W
R107	1-216-115-00	METAL GLAZE 560K 5% 1/10W
R108	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R109	1-216-115-00	METAL GLAZE 560K 5% 1/10W
R111	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R112	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R113	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R114	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R116	1-216-115-00	METAL GLAZE 560K 5% 1/10W
R117	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R118	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R119	1-216-091-00	METAL GLAZE 56K 5% 1/10W
R120	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R121	1-216-089-00	METAL GLAZE 47K 5% 1/10W
R122	1-216-115-00	METAL GLAZE 560K 5% 1/10W
R123	△1-247-727-11	(IT)....CARBON 10 5% 1/2W F
R151	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R152	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R153	1-216-033-00	METAL GLAZE 220 5% 1/10W
R154	1-216-041-00	METAL GLAZE 470 5% 1/10W
R157	1-216-115-00	METAL GLAZE 560K 5% 1/10W
R158	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R159	1-216-115-00	METAL GLAZE 560K 5% 1/10W
R161	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R162	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R163	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R167	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R168	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R169	1-216-091-00	METAL GLAZE 56K 5% 1/10W
R170	1-216-049-00	METAL GLAZE 1K 5% 1/10W
R171	1-216-089-00	METAL GLAZE 47K 5% 1/10W
R172	1-216-115-00	METAL GLAZE 560K 5% 1/10W
R173	△1-247-727-11	(IT)....CARBON 10 5% 1/2W F
R190	1-249-405-11	CARBON 100 5% 1/4W
R201	1-249-417-11	CARBON 1K 5% 1/4W
R202	1-247-897-11	CARBON 560K 5% 1/4W
R203	1-249-417-11	CARBON 1K 5% 1/4W
R204	1-247-897-11	CARBON 560K 5% 1/4W
R210	1-249-411-11	CARBON 330 5% 1/10W
R211	1-249-429-11	CARBON 10K 5% 1/4W
R212	1-249-433-11	CARBON 22K 5% 1/4W
R251	1-249-417-11	CARBON 1K 5% 1/4W
R252	1-247-897-11	CARBON 560K 5% 1/4W
R253	1-249-417-11	CARBON 1K 5% 1/4W
R254	1-247-897-11	CARBON 560K 5% 1/4W
R301	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R302	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W
R303	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W
R304	1-216-025-00	METAL GLAZE 100 5% 1/10W
R305	1-216-025-00	METAL GLAZE 100 5% 1/10W
R306	1-216-001-00	METAL GLAZE 10 5% 1/10W
R311	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W
R312	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W
R313	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W
R314	1-216-073-00	METAL GLAZE 10K 5% 1/10W

Note: The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

Ref.No	Part No.	Description			
R321	1-216-043-00	METAL GLAZE	560	5%	1/10W
R322	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R323	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R324	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R325	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R326	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R327	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R328	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R329	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R330	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R331	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R332	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R333	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R334	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R335	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R336	1-216-079-00	METAL GLAZE	18K	5%	1/10W
R337	1-216-117-00	METAL GLAZE	680K	5%	1/10W
R338	1-216-047-00	METAL GLAZE	820	5%	1/10W
R339	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R340	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R341	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R342	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R343	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R351	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R352	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R353	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R354	1-216-025-00	METAL GLAZE	100	5%	1/10W
R355	1-216-025-00	METAL GLAZE	100	5%	1/10W
R361	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R362	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R363	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R364	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R371	1-216-043-00	METAL GLAZE	560	5%	1/10W
R372	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R373	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R374	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R375	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R376	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R377	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R378	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R379	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R380	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R381	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R382	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R386	1-216-079-00	METAL GLAZE	18K	5%	1/10W
R387	1-216-117-00	METAL GLAZE	680K	5%	1/10W
R388	1-216-047-00	METAL GLAZE	820	5%	1/10W
R389	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R391	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R392	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R393	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R401	1-216-033-00	METAL GLAZE	220	5%	1/10W
R402	1-216-117-00	METAL GLAZE	680K	5%	1/10W
R403	1-216-029-00	METAL GLAZE	150	5%	1/10W
R404	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R406	1-216-033-00	METAL GLAZE	220	5%	1/10W
R407	1-216-037-00	METAL GLAZE	330	5%	1/10W
R408	1-216-029-00	METAL GLAZE	150	5%	1/10W
R409	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R410	1-216-033-00	METAL GLAZE	220	5%	1/10W
R411	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R412	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R413	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R414	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R415	1-216-083-00	METAL GLAZE	27K	5%	1/10W

Ref.No	Part No.	Description			
R416	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R417	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R418	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R419	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R420	1-216-001-00	METAL GLAZE	10	5%	1/10W
R421	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R422	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R423	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R424	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R425	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R426	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R427	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R428	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R429	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R430	1-216-025-00	METAL GLAZE	100	5%	1/10W
R431	1-216-025-00	METAL GLAZE	100	5%	1/10W
R432	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R433	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R435	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R436	1-216-033-00	METAL GLAZE	220	5%	1/10W
R442	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R443	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R444	1-216-079-00	METAL GLAZE	18K	5%	1/10W
R445	1-216-748-11	METAL GLAZE	39K	5%	1/10W
R446	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R447	1-216-105-00	METAL GLAZE	220K	5%	1/10W
R448	1-216-119-00	METAL GLAZE	820K	5%	1/10W
R449	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R450	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R451	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R452	1-216-079-00	METAL GLAZE	18K	5%	1/10W
R453	1-216-748-11	METAL GLAZE	39K	5%	1/10W
R454	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R455	1-216-105-00	METAL GLAZE	220K	5%	1/10W
R456	1-216-119-00	METAL GLAZE	820K	5%	1/10W
R457	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R458	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R459	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
R460	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R461	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R462	1-216-045-00	METAL GLAZE	680	5%	1/10W
R463	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R464	1-216-035-00	METAL GLAZE	270	5%	1/10W
R465	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R466	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
R467	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R468	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R469	1-216-045-00	METAL GLAZE	680	5%	1/10W
R470	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R471	1-216-035-00	METAL GLAZE	270	5%	1/10W
R472	1-216-035-00	METAL GLAZE	270	5%	1/10W
R473	1-216-033-00	METAL GLAZE	220	5%	1/10W
R474	1-216-033-00	METAL GLAZE	220	5%	1/10W
R475	1-216-037-00	METAL GLAZE	330	5%	1/10W
R476	1-216-033-00	METAL GLAZE	220	5%	1/10W
R501	1-249-414-11	CARBON	560	5%	1/4W
R502	1-249-417-11	CARBON	1K	5%	1/4W
R503	1-249-417-11	CARBON	1K	5%	1/4W
R504	1-249-429-11	CARBON	10K	5%	1/4W
R505	1-249-429-11	CARBON	10K	5%	1/4W
R601	1-249-417-11	CARBON	1K	5%	1/4W
R602	1-249-417-11	CARBON	1K	5%	1/4W
R603	1-249-417-11	CARBON	1K	5%	1/4W
R605	1-249-417-11	CARBON	1K	5%	1/4W
R606	1-249-417-11	CARBON	1K	5%	1/4W

Ref.No	Part No.	Description			
R607	1-249-417-11	CARBON	1K	5%	1/4W
R608	1-249-417-11	CARBON	1K	5%	1/4W
R609	1-249-407-11	CARBON	150	5%	1/4W
R610	1-249-403-11	CARBON	68	5%	1/4W
R611	1-249-406-11	CARBON	120	5%	1/4W
R612	1-249-406-11	CARBON	120	5%	1/4W
R614	1-249-406-11	CARBON	120	5%	1/4W
R615	1-249-408-11	CARBON	180	5%	1/4W
R616	1-249-404-00	CARBON	82	5%	1/4W
R617	1-249-404-00	CARBON	82	5%	1/4W
R618	1-249-423-11	CARBON	3.3K	5%	1/4W
R620	1-249-413-11	CARBON	470	5%	1/4W
R621	1-249-415-11	CARBON	680	5%	1/4W
R622	1-249-417-11	CARBON	1K	5%	1/4W
R623	1-249-419-11	CARBON	1.5K	5%	1/4W
R624	1-249-421-11	CARBON	2.2K	5%	1/4W
R625	1-249-423-11	CARBON	3.3K	5%	1/4W
R627	1-249-413-11	CARBON	470	5%	1/4W
R628	1-249-415-11	CARBON	680	5%	1/4W
R629	1-249-417-11	CARBON	1K	5%	1/4W
R630	1-249-419-11	CARBON	1.5K	5%	1/4W
R631	1-249-421-11	CARBON	2.2K	5%	1/4W
R632	1-249-423-11	CARBON	3.3K	5%	1/4W
R634	1-249-413-11	CARBON	470	5%	1/4W
R635	1-249-415-11	CARBON	680	5%	1/4W
R636	1-249-417-11	CARBON	1K	5%	1/4W
R637	1-249-419-11	CARBON	1.5K	5%	1/4W
R638	1-249-421-11	CARBON	2.2K	5%	1/4W
R639	1-249-423-11	CARBON	3.3K	5%	1/4W
R641	1-249-413-11	CARBON	470	5%	1/4W
R642	1-249-415-11	CARBON	680	5%	1/4W
R643	1-249-417-11	CARBON	1K	5%	1/4W
R644	1-249-419-11	CARBON	1.5K	5%	1/4W
R645	1-249-408-11	CARBON	180	5%	1/4W
R646	1-249-402-11	CARBON	56	5%	1/4W
R647	1-249-417-11	CARBON	1K	5%	1/4W
R648	1-249-437-11	CARBON	47K	5%	1/4W
R649	1-249-417-11	CARBON	1K	5%	1/4W
R650	1-249-437-11	CARBON	47K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-247-903-00	CARBON	1M	5%	1/4W
R703	1-249-404-00	CARBON	82	5%	1/4W
R704	1-249-404-00	CARBON	82	5%	1/4W
R709	1-249-429-11	CARBON	10K	5%	1/4W
R710	1-249-429-11	CARBON	10K	5%	1/4W
R711	1-249-429-11	CARBON	10K	5%	1/4W
R712	1-249-429-11	CARBON	10K	5%	1/4W
R713	1-249-429-11	CARBON	10K	5%	1/4W
R714	1-249-433-11	CARBON	22K	5%	1/4W
R715	1-249-418-11	CARBON	1.2K	5%	1/4W
R716	1-249-417-11	CARBON	1K	5%	1/4W
R717	1-249-401-11	CARBON	47	5%	1/4W
R724	1-249-429-11	CARBON	10K	5%	1/4W
R725	1-249-429-11	CARBON	10K	5%	1/4W
R726	1-249-429-11	CARBON	10K	5%	1/4W
R727	1-249-429-11	CARBON	10K	5%	1/4W
R728	1-249-429-11	CARBON	10K	5%	1/4W
R729	1-249-429-11	CARBON	10K	5%	1/4W
R730	1-249-417-11	CARBON	1K	5%	1/4W
R731	1-249-405-11	CARBON	100	5%	1/4W
R732	1-249-440-11	CARBON	82K	5%	1/4W
R733	1-249-421-11	CARBON	2.2K	5%	1/4W
R734	1-247-895-00	CARBON	470K	5%	1/4W
R735	1-249-421-11	CARBON	2.2K	5%	1/4W
R736	1-247-883-00	CARBON	150K	5%	1/4W

Ref.No	Part No.	Description			
R737	1-247-903-00	CARBON	1M	5%	1/4W
R738	1-249-417-11	CARBON	1K	5%	1/4W
R739	1-249-417-11	CARBON	1K	5%	1/4W
R740	1-249-429-11	CARBON	10K	5%	1/4W
R741	1-249-417-11	CARBON	1K	5%	1/4W
R742	1-249-429-11	CARBON	10K	5%	1/4W
R743	1-249-405-11	CARBON	100	5%	1/4W
R744	1-249-405-11	CARBON	100	5%	1/4W
R745	1-249-429-11	CARBON	10K	5%	1/4W
R746	1-249-417-11	CARBON	1K	5%	1/4W
R747	1-249-417-11	CARBON	1K	5%	1/4W
R748	1-249-441-11	CARBON	100K	5%	1/4W
R749	1-249-417-11	CARBON	1K	5%	1/4W
R750	1-249-417-11	CARBON	1K	5%	1/4W
R751	1-249-417-11	CARBON	1K	5%	1/4W
R752	1-249-417-11	CARBON	1K	5%	1/4W
R753	1-249-405-11	CARBON	100	5%	1/4W
R754	1-249-417-11	CARBON	1K	5%	1/4W
R755	1-249-429-11	CARBON	10K	5%	1/4W
R756	1-249-433-11	CARBON	22K	5%	1/4W
R757	1-249-433-11	CARBON	22K	5%	1/4W
R758	1-249-433-11	CARBON	22K	5%	1/4W
R759	1-249-429-11	CARBON	10K	5%	1/4W
R760	1-249-420-11	CARBON	1.8K	5%	1/4W
R761	1-249-428-11	CARBON	8.2K	5%	1/4W
R762	1-249-429-11	CARBON	10K	5%	1/4W
R763	1-249-433-11	CARBON	22K	5%	1/4W
R764	1-249-429-11	CARBON	10K	5%	1/4W
R765	1-249-429-11	CARBON	10K	5%	1/4W
R766	1-249-429-11	CARBON	10K	5%	1/4W
R767	1-247-903-00	CARBON	1M	5%	1/4W
R771	1-249-417-11	CARBON	1K	5%	1/4W
R773	1-249-404-00	CARBON	82	5%	1/4W
R774	1-249-404-00	CARBON	82	5%	1/4W
R775	1-249-433-11	CARBON	22K	5%	1/4W
R776	1-249-417-11	CARBON	1K	5%	1/4W
R801	1-249-417-11	CARBON	1K	5%	1/4W
R802	1-249-438-11	CARBON	56K	5%	1/4W
R803	1-249-438-11	CARBON	56K	5%	1/4W
R804	1-249-414-11	CARBON	560	5%	1/4W
R805	1-249-438-11	CARBON	56K	5%	1/4W
R806	1-247-756-11	CARBON	2.2K	5%	1/2W
R807	1-247-756-11	CARBON	2.2K	5%	1/2W
R808	1-249-425-11	CARBON	4.7K	5%	1/4W
R809	1-249-417-11	CARBON	1K	5%	1/4W
R810	1-249-431-11	CARBON	15K	5%	1/4W
R811	1-217-156-00	METAL PLATE	0.22	10%	5W
R812	1-249-441-11	CARBON	100K	5%	1/4W
R813	1-249-438-11	CARBON	56K	5%	1/4W
R814	△ 1-247-727-11	CARBON	10	5%	1/2W F
R821	△ 1-212-881-11	FUSIBLE	100	5%	1/4W F
R822	1-247-752-11	CARBON	1K	5%	1/2W
R823	1-247-752-11	CARBON	1K	5%	1/2W
R824	△ 1-212-881-11	FUSIBLE	100	5%	1/4W F
R825	△ 1-212-881-11	FUSIBLE	100	5%	1/4W F
R826	1-249-441-11	CARBON	100K	5%	1/4W
R827	1-249-429-11	CARBON	10K	5%	1/4W
R828	1-249-431-11	CARBON	15K	5%	1/4W
R829	1-249-423-11	CARBON	3.3K	5%	1/4W
R830	1-249-433-11	CARBON	22K	5%	1/4W
R831	1-249-433-11	CARBON	22K	5%	1/4W
R832	1-249-438-11	CARBON	56K	5%	1/4W
R833	1-249-430-11	CARBON	12K	5%	1/4W
R834	1-249-441-11	CARBON	100K	5%	1/4W
R835	1-249-441-11	CARBON	100K	5%	1/4W

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description				
R837	1-249-417-11	CARBON	1K	5%	1/4W	
R838	1-249-429-11	CARBON	10K	5%	1/4W	
R839	1-249-441-11	CARBON	100K	5%	1/4W	
R840	1-249-414-11	CARBON	560	5%	1/4W	
R841	1-249-438-11	CARBON	56K	5%	1/4W	
R842	1-249-429-11	CARBON	10K	5%	1/4W	
R843	1-249-437-11	CARBON	47K	5%	1/4W	
R844	1-249-425-11	CARBON	4.7K	5%	1/4W	
R845	1-247-885-00	CARBON	180K	5%	1/4W	
R846	1-247-889-00	CARBON	270K	5%	1/4W	
R851	1-249-417-11	CARBON	1K	5%	1/4W	
R852	1-249-438-11	CARBON	56K	5%	1/4W	
R853	1-249-438-11	CARBON	56K	5%	1/4W	
R854	1-249-414-11	CARBON	560	5%	1/4W	
R855	1-249-438-11	CARBON	56K	5%	1/4W	
R856	1-247-756-11	CARBON	2.2K	5%	1/2W	
R857	1-247-756-11	CARBON	2.2K	5%	1/2W	
R858	1-249-425-11	CARBON	4.7K	5%	1/4W	
R859	1-249-417-11	CARBON	1K	5%	1/4W	
R860	1-249-431-11	CARBON	15K	5%	1/4W	
R861	1-217-156-00	METAL PLATE	0.22	10%	5W	
R862	1-249-441-11	CARBON	100K	5%	1/4W	
R863	1-249-437-11	CARBON	47K	5%	1/4W	
R864	△ 1-247-727-11	CARBON	10	5%	1/2W	F
R901	1-249-433-11	CARBON	22K	5%	1/4W	
R904	1-249-429-11	CARBON	10K	5%	1/4W	
R905	1-249-432-11	CARBON	18K	5%	1/4W	
R906	1-216-421-11	METAL OXIDE	12	5%	1W	F
R907	1-249-432-11	CARBON	18K	5%	1/4W	
R909	1-215-868-00	METAL OXIDE	680	5%	1W	F
R910	1-249-425-11	CARBON	4.7K	5%	1/4W	
R911	1-249-425-11	CARBON	4.7K	5%	1/4W	
R912	△ 1-247-751-11	CARBON	820	5%	1/2W	F
R913	△ 1-247-751-11	CARBON	820	5%	1/2W	F
R914	1-247-895-00	CARBON	470K	5%	1/4W	
R915	1-249-417-11	CARBON	1K	5%	1/4W	
R916	1-249-417-11	CARBON	1K	5%	1/4W	
R917	1-249-425-11	CARBON	4.7K	5%	1/4W	
R920	1-249-441-11	CARBON	100K	5%	1/4W	
R921	△ 1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
R922	1-249-425-11	CARBON	4.7K	5%	1/4W	
R923	1-249-429-11	CARBON	10K	5%	1/4W	
R929	1-249-437-11	CARBON	47K	5%	1/4W	
R926	△ 1-212-869-00	FUSIBLE	33	5%	1/4W	F
R928	1-249-425-11	CARBON	4.7K	5%	1/4W	
RV501	1-238-708-11	RES, VAR, CARBON 10K/100K/100K (VOLUME)				
RX101	8-749-921-11	IC GP1F32R				
RY901	1-515-720-11	RELAY				
RY902	1-515-533-11	RELAY				
S601	1-554-303-21	SWITCH, KEY BOARD (MEMORY)				
S602	1-554-303-21	SWITCH, KEY BOARD (ON/OFF)				
S603	1-554-303-21	SWITCH, KEY BOARD (PRESENCE SURROUND)				
S604	1-554-303-21	SWITCH, KEY BOARD (PARAMETRIC EQUALIZER)				
S605	1-554-303-21	SWITCH, KEY BOARD (DYNAMIC SOUND)				
S606	1-554-303-21	SWITCH, KEY BOARD (DSP)				
S607	1-554-303-21	SWITCH, KEY BOARD (<)				
S608	1-554-303-21	SWITCH, KEY BOARD (<)				
S609	1-554-303-21	SWITCH, KEY BOARD (<)				
S610	1-554-303-21	SWITCH, KEY BOARD (<)				
S611	1-554-303-21	SWITCH, KEY BOARD (BALANCE)				
S612	1-554-303-21	SWITCH, KEY BOARD (DBFB)				
S613	1-554-303-21	SWITCH, KEY BOARD (TUNER)				
S614	1-554-303-21	SWITCH, KEY BOARD (CD)				
S615	1-554-303-21	SWITCH, KEY BOARD (TAPE)				

Ref.No	Part No.	Description
S616	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S617	1-554-303-21	SWITCH, KEY BOARD (VIDEO 2)
S618	1-554-303-21	SWITCH, KEY BOARD (VIDEO 1)
S619	1-554-303-21	SWITCH, KEY BOARD (PROGRAM FUNCTION)
S620	1-554-303-21	SWITCH, KEY BOARD (WAKE UP)
S621	1-554-303-21	SWITCH, KEY BOARD (DISPLAPY)
S622	1-554-303-21	SWITCH, KEY BOARD (DEMO)
S623	1-554-303-21	SWITCH, KEY BOARD (SYSTEM POWER)
TB101	1-537-276-11	TERMINAL BOARD (SP) (SPEAKER)
X401	1-577-269-11	VIBRATOR, CRYSTAL (18.432MHz)
X402	1-577-614-11	VIBRATOR, CRYSTAL (16.345MHz)
X406	1-578-699-11	OSCILLATOR, CERAMIC (800KHz)
X407	1-577-157-11	VIBRATOR, CERAMIC (8MHz)
X701	1-577-157-11	VIBRATOR, CERAMIC (8MHz)

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